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**From:** Piro, Peter (DPH)  
**Sent:** Wednesday, March 21, 2012 8:49 AM  
**To:** Hanchett, James (DPH)  
**Subject:** RE: vacuum pump

Hi Jim,  
We don't have anything that leaks that bad. Is the NW16 flange the usual flange that the MS vacuum hose attaches to using that C-clamp?

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**From:** Hanchett, James (DPH)  
**Sent:** Wednesday, March 21, 2012 8:20 AM  
**To:** Piro, Peter (DPH)  
**Subject:** RE: vacuum pump

Hi Peter,  
How bad is the leak, the back up I am using is losing 50ml/24 hrs. If yours is better does it have a NW16 intake flange?  
Thanks,  
  
Jim

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**From:** Piro, Peter (DPH)  
**Sent:** Wednesday, March 21, 2012 8:15 AM  
**To:** Hanchett, James (DPH)  
**Cc:** Nassif, Julianne (DPH)  
**Subject:** FW: vacuum pump

Hi Jim,  
We have an Edwards 1.5 that has a good vacuum but is leaky. We can install a new cork seal on the oil pan to hopefully fix the leak without doing the entire overhaul. You can pick it up this week if you'd like.  
Pete

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**From:** Nassif, Julianne (DPH)  
**Sent:** Wednesday, March 21, 2012 7:58 AM  
**To:** Piro, Peter (DPH)  
**Subject:** Fw: vacuum pump

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**From:** Hanchett, James (DPH)  
**Sent:** Wednesday, March 21, 2012 07:44 AM  
**To:** Nassif, Julianne (DPH)  
**Subject:** RE: vacuum pump

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**From:** Nassif, Julianne (DPH)  
**Sent:** Tuesday, March 20, 2012 3:18 PM  
**To:** Hanchett, James (DPH)  
**Subject:** FW: vacuum pump  
**Importance:** High

Hi Julie,

The pump was a Pfeiffer, but an Edwards will work as long as the pumps have an inlet with a NW25 flange.

Thanks,

Jim

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**From:** Piro, Peter (DPH)  
**Sent:** Tuesday, March 20, 2012 3:17 PM  
**To:** Nassif, Julianne (DPH)  
**Subject:** RE: vacuum pump

I should be able to give him one. Does he need the Edwards or Pfeiffer?

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**From:** Nassif, Julianne (DPH)  
**Sent:** Tuesday, March 20, 2012 3:01 PM  
**To:** Salemi, Charles (DPH); Piro, Peter (DPH); Servizio, Paul (DPH); Kane01, Peter (DPH)  
**Subject:** vacuum pump  
**Importance:** High

Do we have a spare vacuum pump that Jim Hanchett can borrow until he is able to get a replacement?  
Julie

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